

## Configuration Management Counter Proposal (Consolidation and Simplification)

New Req No	Requirement Category	Requirement Text	Notes
C0001	Configuration Planning: Manage Program Management Documents	ACMS shall provide the capability to identify, store, retrieve, and display Program Management documentation to include Acquisition Strategy, Configuration Management Plans, Audit Plans, Interface Control Agreements and other documentation associated with the management and control of Weapon Systems/end items/assemblies/components for the purpose of CM activity support.	The intent is to ensure the community (MSCs and vendors) understands that ACMS will provide access to more than just traditional engineering/product data.
C0002	Configuration Planning: Determine Contract Data Requirements	ACMS shall provide the capability to determine the types of configuration documentation required as contract deliverables.	
C0003	Configuration Planning: Record Contract Data Requirements	ACMS shall have the capability to record, select and display contract data requirements.	
C0004	Configuration Planning: Record CM Activity Management Data	For each configuration management (CM) activity (e.g., change processing, configuration auditing, baselining, determining contract requirements, and product modifying), ACMS shall record the participants, reviewers, responsible activity name, location, Point of Contact, decision authority, phone numbers, milestones, and related dates (e.g., decision date, audit date, review suspense dates, etc.).	
C0005	Configuration Planning: Generate CM Performance Measurements	ACMS shall generate performance measurements on CM activities, for the purpose of continuous improvement. Performance measurements will provide statistics that identify any backlog, bottleneck and errors.	
C0006	Configuration Identification: Establish Configuration Items and Their Identifiers	ACMS shall provide the capability to establish a hierarchy of configuration items (CIs) and assign, record, and display CI identifiers at each level within the product structure. This will be done to facilitate the documentation, control and the support of the configuration items and their documentation and software to include digital data.	
C0007	Configuration Identification: Assign Product and Data Identifiers	ACMS shall provide the capability to assign, record, and display unique identifiers for each weapon system/end item, component, assembly, part, material, software, and data associated with an end item and prohibit duplication of identifiers even when there is no pre-existing identifier.	

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C0008	Configuration Identification: Assign Alternative Product Identifiers	ACMS shall provide the capability to assign alternative identifiers to CIs, end items, components, assemblies and parts such as National Stock Numbers, serial, lot, block, contract and contract line item number, and date of manufacture.	
C0009	Configuration Identification: Associate Products with Source Document	ACMS shall provide the capability to associate each component, assembly, part, material and software to a definitive source document.	Source document. A document that depicts the product. It could be a design document, a specification, standard, catalog, or any other document that fully describes the product and is recognized as the primary descriptor of the product.
C0010	Configuration Identification: Associate Material and Software with Manufacturer	ACMS shall provide the capability to associate each material and software item to the manufacturer's name, address, and common name, and for software, version and release number or date. This is primarily used as a means of identifying items and materials that do not have a source document.	
C0011	Configuration Identification: Identify Material	ACMS shall provide the capability to identify material by its design specification or standard name and up to six of the following additional modifiers: Category, Class, Color, Composition, Duty, Form, Grade, Size, Style, and Type. Example, steel, ASTM ****, 2150, 125K Rockwell hardness, etc). The name of the design specification or standard and the six parameters constitute the material design identification.	
C0012	Configuration Identification: Designate Critical Items	ACMS shall provide the capability to designate a configuration item, part, component, assembly, material, software, or change action as critical to item safety, performance, or operation, or necessary to comply with regulatory requirements.	
C0013	Configuration Identification: Identify Material Batches	ACMS shall provide the capability to identify each batch of material by the material design identification, manufacturer, and a unique product tracking identifier. The user will typically do this if a batch of material is critical to item safety, performance, or operation, or necessary to comply with regulatory requirements.	
C0014	Configuration Identification: Assign Document Identifiers	ACMS shall provide the capability to assign, record, select, and display identifiers for referenced documents (i.e., accompanying documents and parts lists) and source document notes.	

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C0015	Configuration Identification: Associate Items	ACMS shall provide the capability to relate pairwise the following items: configuration items, weapon system/end item, parts/components/assemblies, change actions, source documents, and reference documents. For example, CI to CI, CI to part, and so forth.	
C0016	Configuration Identification: Identify Embedded Software	For each software item which is designed to be directly installed in hardware, ACMS shall provide the capability to identify, record, and display the software by the following: design source of the software, a unique identifier or title assigned by the design source, a document type code, a document representation identifier, and a version identifier or date.	
C0017	Configuration Identification: Identify GFP, GFM, and GFE	In support of the acquisition process, ACMS shall provide the capability to designate any assembly, component, material, or part required for development or production as Government Furnished Property, Material, or Equipment (GFP, GFM, or GFE).	
C0018	Configuration Identification: Identify Responsible Organizations	ACMS shall record and display the identity of the Current Document Change Authority (CDCA), the Government Lead Application Activity (GLAA), the Application Activity (AA), the originating activity, and the Custodian.	
C0019	Configuration Identification: Identify Revisions/Versions of Data	ACMS shall provide the capability to record, identify, retrieve, and display the current revisions/versions and all previous revisions/versions of documents and software.	
C0020	Configuration Audit: Support Configuration Audits	ACMS shall support functional, physical, and incremental configuration audits through document support, assignment and tracking of audit actions until completion, and recording pre-audit schedule, agenda, audit dates, facilities, rules, participation, audit comments/results/status, responsible organization, and the history of all audit activity.	Incremental audit. An audit of a product relative to its configuration documentation that corresponds to an incremental baseline. Typically these occur in support of a re-procurement action.
C0021	Configuration Audit: Record Configuration Audit Results	ACMS shall provide the capability to record and display the results of the functional, physical, and incremental configuration audits.	

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C0022	Configuration Control: Record Baselines	ACMS shall provide the capability to record, store, query, retrieve, and display approved and updated configuration baselines (Functional Baseline (FBL), Allocated Baseline (ABL), Product Baseline (PBL), and incremental baselines) as new changes are approved and incorporated into the system/item.	Incremental baseline. An approved release of configuration documentation on a given date that is not an FBL, ABL, or PBL. Typically these correspond to a configuration established for a re-procurement action.
C0023	Configuration Control: Maintain Release Control	ACMS shall provide the capability to maintain release control of data for baseline management.	
C0024	Configuration Control: Process Change Actions	ACMS shall provide the capability to identify, receive, review, and record the approval/disapproval of proposed change actions, amended or revised proposed change actions, and variances to the configuration documentation and hardware or software configuration.	
C0025	Configuration Control: Retain Change History	ACMS shall provide the capability to view the history of change proposals for a particular product/item to include change descriptions, rationales, and approval/disapproval decisions.	
C0025	Configuration Control: Provide Change Coordination Workflow	ACMS shall provide or interface with a workflow manager for processes such as coordination of proposed changes and variances, and monitor the process to ensure timely responses.	
C0026	Configuration Control: Provide CCB Support	ACMS shall record, retrieve, and display Configuration Control Board (CCB) membership; members of interfacing activities; all change proposals, their originators, their disposition and the date of disposition; CCB Directives; and descriptions of any action items.	
C0027	Configuration Control: Record Change Action Status	ACMS shall record, retrieve, and display status of all approved change actions, effectivity, implementing organization, and, where multiple ECPs exist, the order of implementation.	
C0028	Status Accounting: Capture MIL-STD-2549 CM Information	ACMS shall provide for creation, acceptance, validation, vaulting, retrieving, modifying and archiving CM information compliant with MIL-STD-2549, dated 30 June 1997 and Errata sheet, dated November 1997.	

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C0029	Status Accounting: Provide Implied MIL-STD-2549 Functional Requirements	ACMS shall provide the capability to accomplish all of the General Functional and Detail Requirements implied in Chapters 4 and 5 of MIL-STD-2549. EIA/IS 649 and MIL-HDBK 61 may be used as a reference on how to perform Configuration Management.	
C0030	Status Accounting: Record Tasking Documentation Identity	ACMS shall provide the capability to record, retrieve, and display the identity of the tasking document for required upgrade, retrofit, or modification actions.	Tasking document. The modification instruction (MWO/DMWR) corresponding to an approved change action. Mod Work Order/Depot Maintenance Work Requirement.
C0031	Status Accounting: Record Field Configuration Data	ACMS shall provide the capability to record, select, and display "as built and as modified" configurations resulting from the installation and removal of all components, assemblies, and parts critical to the safety, performance, or operation.	
C0032	Status Accounting: Record Effectivity	ACMS shall provide the capability to record and report the effectivity or range of effectivity and installation status of configuration changes to all systems/CIs at all locations, during design, production, modification, retrofit, and maintenance.	
C0033	Status Accounting: Report Configuration Data	ACMS shall provide reports essential for performing engineering analysis, procurement of spares, configuration baselines, performing comparison analysis, and status of the system configuration throughout the life cycle.	